

## INDEX

•	SECTION A			Ayurveda Prakasha	20
				Bhaishajya Ratnavali	20
Chapter	Name of topic	Pg. No.		Yogaratnakara	21
	Introduction of Rasashastra	4.0		6. Modern period	21
1.		1-9		Rasatarangini	21
	Introduction	1		Rasamritam	21
	Derivation	2		Rasa Yoga Sagara	22
	Etymology	2		Bharat Bhaishajya Ratnakara	22
	Definition	2		Rasa Jala Nidhi	22
	Importance of Rasaushadhi	2		History of chemistry in ancient and	
	Concept of Rasa - Rasayana	5		medieval India	22
_	Raseshwara Darshana	6		Parada Vignaniyam	23
2.	History of Rasashastra	10-24		AFI (Ayurvedic Formulary of India)	23
	1. Pre Vedic period	11		API (Ayurvedic Pharmacopoeia of India)	23
	Salient features of Pre-Harappana period	11		Drugs and Cosmetics Act 1940	24
	Salient features of Indus Valley		3.	Rasa Shala	25-28
	civilization period	11		Place for Rasa Shala	25
	Salient features of Post-Harappana period	111		Building of Rasa Shala	25
	2. Vedic period	11		Equipments	25
	Rigveda	11		Division of work	26
	Yajurveda	11		Rasa Mandapa	27
	Atharvaveda	11		Preparation of Rasa Linga	27
	3. Post Vedic period	12		Rasa Mandala and Kamal Nirmana	27
	Brahmana Sahitya	12		Rasendra Puja Vidhi	28
	Upanishada	12	4.	Paribhasha	29-40
	Sutra & Smriti	12		Importance of Paribhasha	29
	Purana	12		Dhanvantari Bhaga	29
	Kautilya Arthasahastra	13		Rudra Bhaga	30
	4. Samhita period	13		Shodhana	30
	Charaka Samhita	13		- Types of Shodhana	30
	Sushruta Samhita	14		- Samanya Shodhana	30
	Ashtanga Samgraha and Hridaya	14		- Vishesha Shodhana	30
	5. Rasa period (Medieval period)	14		Different techniques used for Shodhana	
	Rasa Ratnakara / Rasendra Mangala	16		Bhavana	31
	Rasa Hridaya Tantra	16		- Methods of Bhavana	31
	Rasamava	16		- Importance of Bhavana	31
	Gorakha Samhita (Goraksha Paddhati)	17		- Amount of Bhavana Dravya	32
	Ananda Kanda	17		- Subhavita Lakshana	32
	Rasendra Chudamani	18		- Durbhavita Lakshana	32
	Rasa Ratnakara	18		Marana	32
	Rasa Prakasha Sudhakara	18		- Definition	32
	Rasendra Sara Samgraha	18		- Methods	32
	Rasa Ratna Samuchchaya	19		- Agnipaki method	32
	Rasendra Chintamani	19		* Putapaka method	32
	Rasa Chintamani	19		* Kupipakva method	32
	Rasa Kamadhenu	20		- Bhanupaki method	33

		_	- "	
- Importance of Marana	33	5.	Dravya Varga	41-43
Mrita Lauha Pariksha	33		Amla Varga	41
- Varitara	33		Panchamrita	41
- Rekhapurnata	33		Panchagavya	41
- Unama	34		Panchamrittika	41
- Shlakshnatvam	34		Kshara - Dvaya and Traya	41
- Susukshma	34		Kshara Panchaka	42
- Anjana Sannibha	34		Ksharashtaka	42
- Dantagre na Kach Kach Bhavati	34		Mitrapanchaka	42
- Varna	34		Dravaka Gana	42
- Avami	34		Lavana Panchaka	42
- Apunarbhava	34		Rakta Varga	42
- Niruttha	34		Pita Varga	43
- Gata Rasatva	34		Shukla Varga	43
- Nishchandratva	34		Shweta Varga	43
- Nirdhumatva	35		Krishna Varga	43
Amritikarana	35	6.	Yantra	44-57
Lohitikarana	35		Introduction	44
Satvapatana	35		Definition	44
Druti	36		Yantra use in different processes of Parada	44
- Garbha Druti	36		Dola Yantra	44
- Bahya Druti	36		Puta Yantra	45
- Characteristic	36		Ghata Yantra	45
Jarana	36		Swedani Yantra	46
- Definition	36		Swedana or Ushna Yantra	46
- Types	37		Patana Yantra	47
- Method	37		Urdhya Patana Yantra	47
- Gandhaka Jarana	37		Adhah Patana Yantra	48
- Properties of Ghandhaka Jarita Parada	37		Tiryak Patana Yantra	48
- Properties of Abhraka Jarita Parada	38		Vidhyadhara Yantra	49
- Importance	38		Damaru Yantra	49
Murchchhana	38		Sthali Yantra	50
- Definition	38		Palika Yantra	50
- Types	38		Valuka Yantra	51
- Procedure	39		Bhudhara Yantra	52
- Characteristic of Murchchhita Parada	39		Patala Yantra	52
- Importance	39		Khalva Yantra	53
Differences between Jarana and			Ardhachandrakara Khalva Yantra	53
Murchchhana	39		Vartulakara Khalva	54
Kajjali	39		Tapta Khalva Yantra	54
Rasapanka	40		Ulukhala Yantra	54
Rasapishti	40		Kachchhapa Yantra	55
Bija Lakshana	40		Tula Yantra	55
Shuddhavarta	40		Modern Pharmaceutical Instruments	56
Bijavarta	40		Edge runner mill	56
Svangasheeta and Bahirsheeta	40		End runner mill	56 57
Bid Lakshana	40		End runner mill	37

,	Manaka	F0.00		Importance of Duta	74
7.	Moosha	58-66		Importance of Puta Puta Krama	74 74
	Introduction	58		Number of Sharava in Puta	74
	Definition	58		Fuels	74 75
	Synonyms	58		Types	75 75
	Upadana Dravya	58		(A) Surva Puta	75 75
	Grahya Lakshana of Mrittika	58		(B) Chandra Puta	75 76
	Parts	59		(C) Agni Puta	76
	Classification	59		Maha Puta	76
	Moosha Apyayanaka	59 59		Gaja Puta	76
	Sandhilepanam	59		Varaha Puta	77
	Samanya Moosha Gostani Moosha	60		Kukkuta Puta	78
	Vrintaka Moosha	60		Kapota Puta	78
	Malla Moosha	61		Lavaka Puta	79
	Pakwa Moosha	61		Gomaya Puta	79
	Gola Moosha	61		Valuka Puta	79
	Maha Moosha	62		Bhudhara Puta	80
	Musala Moosha	62		Bhanda Puta	80
	Vaira Dravini Moosha	62		Anukta Puta Mana	81
	Gara Moosha	63		Muffle furnace	81
	Vara Moosha	63		Thermocouple	83
	Varna Moosha	63		Pyrometer	84
	Raupya Moosha	64	10.	Parada	86-104
	Vajra Moosha	64	10.	Synonyms	86
	Yoga Moosha	64		Definition and types	87
	Bida Moosha	65		Occurrence	87
	Mudra	65		Ores	88
	- Madana Mudra	65		Parada Dosha	88
	- Hatha Mudra	65		1. Naisargika Dosha	89
	Crucible	65		2. Yaugika Dosha	89
8.	Koshthi	67-72		3. Aupadhika Dosha	89
٥.	Introduction	67		Parada Gati	90
	Definition	67		Parada Shodhana	91
	Angara Koshthi	67		- Types of Parada Shodhana	91
	Patala Koshthi	68		- Samanya Shodhana of Parada	92
	Gara Koshthi	68		- Vishesha Shodhana of Parada	92
	Tiryak Pradhamana or Moosha Koshthi	69		Grahya-Agrahyata of Parada	93
	Vankanala	69		Parada Samskara	93
	Hot Plate	69		- Eighteen Samskara of Parada	93
	Heating Mantle	70		- Eight Samskara of Parada	94
	Induction Stove	71		Swedana Samskara	95
	Hot Air Oven	71		Mardana Samskara	95
9.	Puta	73-85		Murchchhana Samskara	96
э.	Introduction	73-65		Utthanana Samskara	96
	Nirukti	73		Patana Samskara	97
	Definition	73		B(R)odhana Samskara	97
		74		Niyamana Samskara	97
	Method of preparation	/4		rviyumana samskara	31

	Deepana Samskara	98	Kajjali	106
	Parada Bandha	98	Introduction	106
	- Suitability of Parada for Bandhana	99	Definition	106
	- Characteristic of Baddha Parada	99	Synonyms	106
	- Properties or effects of Baddha Parada	99	Purpose for different proportion of	
	- Types of Bandha	99	Gandhaka	106
	1. Hatha Bandha	99	Procedure	106
	2. Arota Bandha	99	Examinations	107
	3. Abhasa Bandha	99	Uses	107
	4. Kriyahina Bandha	100	Parpati Kalpana	107
	5. Pishtika Bandha	100	Etymology	107
	6. Kshara Bandha	100	Synonyms	107
	7. Khota Bandha	100	Definition	107
	8. Pota Bandha	100	Primordial times	107
	9. Kalka Bandha	100	Types	108
	10. Kajjali Bandha	100	Equipment used for Parpati Nirmana	108
	11. Sajiva Bandha	100	General Procedure of Parpati Nirmana	108
	12. Nirjiva Bandha	101	Parpati Paka Pariksha	109
	13. Nirbija Bandha	101	Pashchat Karma	109
	14. Sabija Bandha	101	Precautions	109
	15. Shrinkhala Bandha	101	Parpati Prayoga	109
	16. Druti Bandha	101	1. Samanya Prayoga	110
	17. Balaka Bandha	101	2. Vishesha (Kalpa Prayoga)	110
	18. Kumara Bandha	101	Anupana	110
	19. Taruna Bandha	102	Amayika Prayoga	110
	20. Vriddha Bandha	102	Kupipakva Rasayana	110
	21. Murti Bandha	102	Introduction	110
	22. Jala Bandha	102	Definition	110
	23. Agni Bandha	102	Synonyms	110
	24. Susamskrita Bandha	102	Importance	110
	25. Maha Bandha	102	Historical Glimpses	110
	26. Jaluaka Bandha	103	Types	111
	Rasa Bhasma Sevana Vidhi	103	Procedure	111
	Pathya during Rasa Sevana	103	Necessary equipments	111
	Apathya during Rasa Sevana	103	2. Ingredients	112
	Rasa Sevana Kala	104	3. Filling of Kajjali in Kupi	112
	Treatment of Rasa Vvapad	104	4. Heat application	112
	Dietetics for Virva Vriddhi of Rasa		5. Observation during heating	113
	formulations	104	6. Corking of Kupi	113
	Rasa Tyaga Vidhi	104	7. Collection of finished product	113
11.	Classification of Rasaushadhi 1	105-117	Shelf life	114
• • • •	Kharaliya Rasayana	105	Pottali Kalpana	114
	Definition	105	Etymology	114
	Types	105	Historical development	114
	Procedure	105	Definition	115
	Shelflife	105	Classification	115
	Importance	106	Method of preparation	115
	Importance	100	Kharaliva Method	115

	2. Putapaka Method	116		Ashuddha Abhraka Sevanajanya Dosh	
	<ol><li>Varatika or Shankha Purana Metho</li></ol>			Dosha Shanti	130
	<ol> <li>Gandhaka Drava Paka Method</li> </ol>	116		Apathya	130
	Salient features of Pottali Kalpana	116		Important formulations	130
	Mode of administration	117	(ii)	Vaikranta (Tourmaline)	130
	Pathya	117		Mineralogical identification	131
	Apathya	117		Types	131
12.	Quality Control and			Grahyata	131
	Standardization	118-121		Shodhana	131
	Quality Control of Rasaushadhi	118		Marana	132
	A. In process Quality Control	118		Satvapatana	132
	B. Product Quality Control	119		Properties	132
	Standardization of Rasaushadhi	119		Dose	132
	Standardization techniques	120		Anupana	132
	- Preliminary tests	120		Therapeutic uses	132
	- Physicochemical evaluation	120		Ashuddha Vaikranta Sevanajanya Dos	ha132
	- Microbiological evaluation	120		Important formulations	132
	- Analytical evaluation	121		Vaikrantaa Rasayana	132
			(iii)	Makshika (Chalcopyrite)	132
	SECTION B			Mineralogical identification	133
	SECTION D			Types	133
13.	Classification of Rasadravya	123-125		Distinctiveness from Vimala	134
13.		123-125		Grahyata	134
	Probable concept for	400		Agrahyata	134
	classification of Rasadravya	123		Shodhana	134
	Classification	123		Marana	135
14.	Maharasa	126-146		Characteristic of Makshika Bhasma	135
	Samanya Shodhana and			Satvapatana	135
	Satvapatana of Maharasa	126		Properties	135
(i)	Abhraka (Mica)	126		Dose	135
	Mineralogical identification	126		Anupana	135
	Types	127		Therapeutic uses	135
	Grahyata	127		Ashuddha Makshika Sevanaianya Dosl	na 135
	Shodhana	128		Dosha Shanti	135
	Dhanyabhraka	128		Important formulations	135
	Marana	128	(iv)	Vimala (Iron pyrite)	136
	Characteristic of Abhraka Bhasma	128	1	Mineralogical identification	136
	Amritikarana	128		Types	136
	Lohitikarana	129		Grahyata	136
	Satvapatana	129		Shodhana	136
	Satva Shodhana	129		Marana	137
	Satva Mridukarana	129		Satvapatana	137
	Abhraka Druti	129		Properties	137
	Panchavidha Samskara of Abhraka	130		Dose	137
	Properties	130		Anupana	137
	Dose	130		Therapeutic uses	137
	Anupana	130		Dosha Shanti	137
	Therapeutic uses	130		Important formulations	137

(v)	Shilajatu			Conflict on the acceptibility of Kharpan	a 144
	(Mineral pitch or Black bitumen)	137		Shodhana	145
	Mineralogical identification	138		Marana	145
	Composition of Shilajatu	138		Satvapatana	145
	Types	138		Properties	145
	Grahvata	138		Dose	145
	Examination of Shuddha Shilajatu	138		Anupana	145
	Shodhana	139		Therapeutic uses	145
	Karpoora Shilajatu Shodhana	139		Ashuddha Rasaka Sevanajanya Dosha	146
	Marana	139		Dosha Shanti	146
	Satvapatana	140		Important formulations	146
	Properties	140	15.	Uparasa	147-165
	Dose	140		Samanya Shodhana and	
	Anupana	140		Satvapatana of Uparasa	147
	Therapeutic uses	140	(i)	Gandhaka (Sulphur)	147
	Ashuddha Shilajatu Sevanajanya Dosha	140	1-7	Mineralogical identification	148
	Dosha Shanti	140		Types	148
	Important formulations	140		Grahyata	148
(vi)	Tuttha (Blue vitreol)	140		Shodhana	148
	Mineralogical identification	141		Gandhaka Druti	149
	Types	141		Properties	149
	Grahyata	141		Dose	149
	Nirmalikarana	141		Anupana	149
	Shodhana	141		Therapeutic uses	149
	Marana	141		Ashuddha Gandhaka Sevanajanya Dosl	na 150
	Satvapatana	142		Dosha Shanti	150
	Properties	142		Apathya	150
	Dose	142		Important formulations	150
	Anupana	142	(ii)	Gairika (Hematite)	150
	Therapeutic uses	142		Mineralogical identification	150
	Ashuddha Tuttha Sevanajanya Dosha	142		Types	151
	Dosha Shanti	142		Grahyata	151
	Important formulations	142		Agrahyata	151
(vii)	Chapala (Bismuth ore or Selenium)	142		Shodhana	151
	Controversy	142		Satvapatana	151
	Types	143		Properties	152
	Grahyata	143		Dose	152
	Shodhana	143		Anupana	152
	Marana	143		Therapeutic uses	152
	Satvapatana	143		Important formulations	152
	Properties	143	(iii)	Kasisa (Green vitriol)	152
	Ashuddha Chapala Sevanajanya Dosha	143		Mineralogical identification	152
	Dosha Shanti	143		Types	152
	Therapeutic uses	144		Grahyata	153
(viii)	Rasaka (Zinc ore)	144		Shodhana	153
	Types	144		Marana	153
	Crahueta	144		C-tt	152

	Properties	153		Kulatthanjana	163
	Dose	154		Shodhana	163
	Anupana	154		Samanya Shodhana	163
	Therapeutic uses	154		Vishesha Shodhana	163
	Important formulations	154		Satvapatana	163
(vi)	Kankshi (Potash alum)	154		Properties	163
	Mineralogical identification	154		Dose	163
	Types	154		Therapeutic uses	163
	Grahyata	155		Important formulations	164
	Shodhana	155	(viii)	Kankushtha	164
	Satvapatana	155		Types	164
	Properties	155		Grahyata and Agrahyata	164
	Dose	155		Controversies related to	
	Anupana	155		authentication of Kankushtha	164
	Therapeutic uses	155		Shodhana	165
	Important formulations	155		Marana	165
(v)	Haratala (Orpiment)	155		Satvapatana	165
1-7	Mineralogical identification	156		Properties	165
	Types	156		Dose	165
	Grahvata	156		Therapeutic uses	165
	Shodhana	156		Dosha Shanti	165
	Marana	157		Important formulations	165
	Characteristic of Haratala Bhasma	157	16.	Sadharana Rasa	166-178
	Satvapatana	157		Samanya Shodhana of Sadharana Ra	
	Properties	157	(i)	Kampillaka (Indian Kamala)	166
	Dose	158	1.1	Primeval description	166
	Anupana	158		Botanical description	166
	Therapeutic uses	158		Grahyata	167
	Ashuddha Haratala Sevanajanya Dosh	a 158		Examination of Kampillaka	167
	Dosha Shanti	158		Shodhana	167
	Important formulations	158		Properties	167
(vi)	Manahshila (Realgar)	158		Dose	167
. ,	Mineralogical identification	159		Toxic effects	167
	Types	159		Anupana	167
	Grahvata	159		Therapeutic uses	167
	Shodhana	159		Important formulations	168
	Satvapatana	160	(ii)	Gauripashana (Arsenic oxide)	168
	Properties	160	(/	Mineralogical identification	168
	Dose	160		Types	168
	Anupana	160		Grahyata	168
	Therapeutic uses	160		Shodhana	169
	Ashuddha Manahshila Sevanajanya Dos	ha 160		Marana	169
	Dosha Shanti	160		Satvapatana	169
	Important formulations	160		Properties	169
(vii)	Anjana (Collyrium)	160		Dose	169
	Types	161		Dose formation	169
	Grahyata and Agrahyata	161		Fatal dose	169
	Conflict on the acceptability of Rasanjar	na 162			

				-	476
	Anupana	169		Types	175
	Therapeutic uses	169		Grahyata and Agrahyata	175
	Ashuddha Gauripashana			Shodhana	176
	Sevanajanya Dosha	169		Marana	176
	Dosha Shanti	169		Satvapatana	176
	Important formulations	169		Properties	176
(iii)	Navasadara (Sal ammoniac)	170		Dose	176
	Mineralogical identification	170		Anupana	176
	Physico-chemical properties	170		Therapeutic uses	176
	Types	170		Ashuddha Hingula Sevanajanya Dosha	
	Shodhana	170		Dosha Shanti	177
	Satvapatana	170		Important formulations	177
	Properties	171	(viii)	Mridarashringa (Litharge)	177
	Dose	171		Mineralogical identification	177
	Anupana	171		Types	177
	Therapeutic uses	171		Grahyata	177
	Important formulations	171		Shodhana	177
(iv)	Kapardika (Cowrie)	171		Properties	177
	Instinctive identification	171		Dose	178
	Types	171		Therapeutic uses	178
	Grahyata and Agrahyata	171		Important formulations	178
	Shodhana	172	17.	Dhatu	179-214
	Marana	172		Nirukti of Lauha	179
	Properties	172		Nirukti of Dhatu	179
	Dose	172		Definition of Dhatu	179
	Anupana	172		Classifications	179
	Therapeutic uses	172		Mythological origin	180
	Important formulations	172		Dhatu - Graha Sambadha	180
(v)	Vahnijara (Ambergris)	173		Dhatu Jvala Pariksha	180
	Grahyata	173		Loss on Heating of Dhatu	180
	Physical characteristic	173		Dhatu Shodhana	181
	Shodhana	173		(1) Samanya Shodhana	181
	Properties	173		(2) Vishesha Shodhana	181
	Dose	173		Dhatu Marana	182
	Anupana	173		Dhatu Bhasma Varna	184
	Therapeutic uses	173		Dhatu Samanya Satvapatana	184
	Important formulations	173	(i)	Svarna (Gold)	184
(vi)	Girisindura (Red oxide of mercury)	174	1-1	Metallic characteristic	185
	Mineralogical identification	174		Types	185
	Types	174		Grahyata	185
	Grahyata and Agrahyata	174		Agrahyata	185
	Shodhana	174		Shodhana	185
	Properties	174		Marana	186
	Dose	174		Svarna Druti	186
	Therapeutic uses	175		Properties	187
	Important formulations	175		Dose	187
(vii)	Hingula (Cinnabar)	175		Anupana	187
	Mineralogical identification	175		ганирини	107

	Therapeutic uses	187		Marana	197
	Ashuddha Svarna Sevanajanya Dosha	187		Trividha Loha Paka	198
	Dosha Shanti	187		Uses of Loha Bhasma according to	
	Pathya	187		number of Puta	199
	Apathya	187		Characteristic of Loha Bhasma	199
	Svarna Mandala	187		Amritikarana of Mrita Loha	199
	Svarna Lavana	187		Nirutthikarana of Mrita Loha	199
	Important formulations	187		Loha Druti	199
ii)	Rajata (Silver)	187		Properties	199
	Metallic characteristic	188		Dose	200
	Types	188		Anupana	200
	Grahyata	188		Therapeutic uses	200
	Agrahyata	188		Ashuddha Loha Sevanajanya Dosha	200
	Shodhana	189		Dosha Shanti	200
	Marana	189		Apathya	200
	Raupya Druti	189		Important formulations	200
	Properties	190	(v)	Vanga (Tin)	200
	Dose	190	,	Etymology	200
	Anupana	190		Metallic characteristic	201
	Therapeutic uses	190		Types	201
	Ashuddha Raiata Sevanaianya Dosha	190		Grahvata	201
	Dosha Shanti	190		Shodhana	201
	Rajata Mandala	190		Marana	202
	Important formulations	190		Characteristic of Vanga Bhasma	202
iii)	Tamra (Copper)	190		Alkali Test	202
,	Metallic characteristic	191		Properties	203
	Types	191		Dose	203
	Grahyata	191		Anupana	203
	Agrahyata	191		Therapeutic uses	203
	Shodhana	192		Ashuddha Vanga Sevanajanya Dosha	203
	Marana	192		Dosha Shanti	203
	Characteristic of Tamra Bhasma	192		Important formulations	203
	Amritikarana of Tamra	192	(vi)	Naga (Lead)	203
	Properties	193		Metallic characteristic	204
	Dose	193		Types	204
	Anupana	193		Grahyata	204
	Therapeutic uses	193		Agrahyata	204
	Ashuddha Tamra Sevanajanya Dosha	193		Shodhana	204
	Dosha Shanti	193		Marana	205
	Important formulations	193		Properties	205
iv)	Loha (Iron)	193		Dose	205
	Etymology	193		Anupana	205
	Metallic characteristic	194		Therapeutic uses	205
	Types	194		Ashuddha Naga Sevanajanya Dosha	205
	Grahyata	195		Dosha Shanti	206
	Examination of Tikshna Loha	196		Important formulations	206
	Examination of Kanta Loha	197	(vii)	Yashada (Zinc)	206
	Shodhana	197		Primeval description	206

(i

(i

	Metallic characteristic	206	18.	Ratna	215-238
	Types	207		Derivation	215
	Grahyata	207		Definition	215
	Agrahyata	207		Mythological origin	215
	Shodhana	207		Classification	215
	Marana	207		Ratna-Graha relation	216
	Characteristic of Yashada Bhasma	208		Qualities of hest Ratna	216
	Properties	208		Dosha	216
	Dose	208		Shodhana	216
	Anupana	208		Marana	217
	Therapeutic uses	208		Ratna Druti	218
	Ashuddha Yashada Sevanajanya Dosha	208		Properties	218
	Dosha Shanti	208		Therapeutic uses	218
	Important formulations	208		Properties of Ratna Dharana	218
(viii)	Pittala (Brass)	209		Usage of Ratna	218
	Metallic characteristic	209	(i)	Manikya (Ruby)	219
	Types	209	(1)		
	Grahyata	209		Mineralogical identification	219
	Agrahyata	209		Types	219
	Shodhana	209		Grahyata	219
	Marana	210		Agrahyata	220
	Characteristic of Pittala Bhasma	210		Test of Manikya	220
	Properties	210		Shodhana	220
	Dose	211		Marana	220
	Anupana	211		Pishtikarana	220
	Therapeutic uses	211		Characteristic of Manikya Bhasma	220
	Ashuddha Pittala Sevanajanya Dosha	211		Properties	220
	Dosha Shanti	211		Dose	221
	Important formulations	211		Anupana	221
(iv)	Kamsya (Bell metal)	211		Therapeutic uses	221
	Metallic characteristic	211		Important formulations	221
	Types	211	(ii)	Mukta (Pearl)	221
	Grahyata	211		Mineralogical identification	222
	Agrahyata	212		Types	222
	Shodhana	212		Grahyata	222
	Marana	212		Agrahyata	222
	Characteristic of Kamsya Bhasma	213		Test for Uttama Mukta	222
	Properties	213		Shodhana	222
	Dose	213		Marana	222
	Anupana	213		Pishtikarana	223
	Therapeutic uses	213		Characteristic of Mukta Bhasma	223
	Important formulations	213		Properties	223
(x)	Vartalauha	213		Dose	223
	Shodhana	214		Anupana	223
	Marana	214		Therapeutic uses	223
	Properties	214		Important formulations	223
	Dose	214	(iii)	Pravala (Coral)	223
	Anupana	214	,/	Sources	223
	Therapeutic uses	214			

	Under threat	224		Marana	231
	Legal standing	224		Properties	232
	Mineralogical identification	224		Dose	232
	Types	224		Anupana	232
	Grahyata	224		Therapeutic uses	232
	Agrahyata	225		Ashuddha Hiraka Sevanaianya Dosha	232
	Shodhana	225		Dosha Shanti	232
	Marana	225		Important formulations	233
	Pishtikarana	225	(vii)	Nilama (Sapphire)	233
	Properties	225	(411)	Mineralogical identification	233
	Dose	225		Types	233
	Anupana	225		Grahyata	234
	Therapeutic uses	225		Agrahyata	234
	Important formulations	225		Shodhana	234
(iv)	Panna (Emerald)	226		Marana	234
(10)	Mineralogical identification	226		Properties	234
	Types	226		Dose	234
	Grahyata	226		Anupana	234
	Agrahyata	226		Therapeutic uses	234
	Shodhana	226		Important formulations	234
	Marana	226	(viii)	Gomeda (Zircon)	235
	Pishtikarana	226	(*****)	Mineralogical identification	235
	Properties	227		Types	235
	Dose	227		Grahyata	235
	Anupana	227		Agrahyata	235
	Therapeutic uses	227		Purity test	236
	Important formulations	227		Shodhana	236
(v)	Pushparaga (Topaz)	227		Marana	236
1-7	Mineralogical identification	227		Pishtikarana	236
	Types	227		Properties	236
	Grahyata	227		Dose	236
	Agrahyata	228		Anupana	236
	Shodhana	228		Therapeutic uses	236
	Marana	228		Important formulations	236
	Pishtikarana	228	(ix)	Vaidurya (Cat's Eye)	236
	Properties	228	1	Mineralogical identification	237
	Dose	228		Types	237
	Anupana	228		Grahyata	237
	Therapeutic uses	228		Agrahyata	237
	Important formulations	228		Shodhana	237
(vi)	Vajra (Diamond)	228		Marana	237
	Mineralogical identification	229		Pishtikarana	237
	Types	229		Properties	238
	Grahyata	230		Dose	238
	Agrahyata	230		Anupana	238
	Test for Grahya Hiraka	231		Therapeutic uses	238
	Dosha of Hiraka	231		Important formulations	238
	01 11				

Shodhana

19.	Uparatna	239-249		Therapeutic uses	246
(i)	Vaikranta	240		Important formulations	246
(ii)	Suryakanta (Sun stone)	240	(vii)	Trinakanta (Kaharuba)	246
٠,	Mineralogical identification	240		Mineralogical identification	246
	Grahyata	240		Types	246
	Purity examination	240		Shodhana	247
	Shodhana	240		Marana	247
	Marana	241		Pishtikarana	247
	Properties	241		Properties	247
(iii)	Chandrakanta (Moonstone)	241		Dose	247
(,)	Mineralogical identification	241		Anupana	247
	Grahvata	241		Therapeutic uses	247
	Shodhana	241		Important formulations	247
	Marana	242	(viii)	Rudhiram (Carnelian)	247
	Pishtikarana	242		Mineralogical identification	247
	Properties	242	(ix)	Putika (Peridote)	248
	Dose	242		Mineralogical identification	248
	Anupana	242		Grahyata and Agrahyata	248
	Therapeutic uses	242		Disparity test from Panna	248
(iv)	Rajavarta (Lapis Lazuli)	242		Shodhana etc	248
(10)	Mineralogical identification	242	(x)	Palanka (Onyx)	248
	Types	242	11-7	Mineralogical identification	248
	Grahvata	243		Types	248
	Shodhana	243		Shodhana	249
	Marana	243		Marana	249
	Satvapatana	243	(xi)	Sugandhikam (Spinel)	249
	Pishtikarana	243	1	Types	249
	Properties	243		Shodhana	249
	Dose	244		Marana	249
	Anupana	244	20.	Sudha Varga	250-261
	Therapeutic uses	244	20.	Primeval description	250
	Important formulations	244		Classification of Sudha Varga	250
(v)	Perojaka (Turquoise)	244	(i)	Sudha (Lime)	250
(*)	Mineralogical identification	244	(1)	Physical properties	251
	Types	244		Shodhana and Marana	251
	Shodhana	244		Churnodaka Nirmana (lime water)	251
	Marana	244		Properties of Churnodaka	251
	Properties	245		Dose of Churnodaka	251
	Dose	245		Anupana	251
	Anupana	245		Therapeutic uses of Churnodaka	251
	Therapeutic uses	245		Important formulations	251
(vi)	Sphatikamani (Rock crystal)	245	(ii)	Khatika (Chalk)	251
(**)	Mineralogical identification	245	(11)	Types	251
	Grahyata and Agrahyata	245		Shodhana	251
	Shodhana	245		Properties	251
	Marana	246		Dose	252
	Properties	246		Anupana	252
	i roportioa	2.70		Allupalia	232

	Therapeutic uses	252		Properties	259
	Important formulations	252		Dose	259
(iii)	Godanti (Gypsum)	252		Anupana	259
,	Types	252		Therapeutic uses	259
	Grahyata and Agrahyata	252		Ashuddha Samudraphena	
	Shodhana	252		Sevanajanya Dosha	259
	Marana	252		Important formulations	259
	Properties	253	(viii)	Mrigashringa (Stag horn)	259
	Dose	253	(,	Description	259
	Anupana	253		Grahyata	259
	Therapeutic uses	253		Shodhana	259
	Important formulations	253		Marana	259
(iv)	Shankha (Conch Shell)	253		Dose	260
(10)	Description	253		Anupana	260
	Types	253		Therapeutic uses	260
	Grahyata and Agrahyata	253		Important formulations	260
	Shodhana	253	(ix)	Kukkutanda Twak (Hen's Egg shell)	
	Marana	254	(10.7)	Shodhana	260
	Properties	254		Marana	260
	Dose	254		Dose	261
	Anupana	254		Anupana	261
	Therapeutic uses	254		Therapeutic uses	261
	Important formulations	254		Important formulations	261
	Shambuka (Pila)	254	(x)	Kachchhapashthi (Tortoise bone)	261
	Shodhana	254	(21)	Shodhana	261
	Marana	254		Marana	261
	Properties	255		Dose	261
	Dose	255		Anupana	261
	Anupana	255		Therapeutic uses	261
	Therapeutic uses	255	21.		262-268
(v)	Shukti (Ovster)	255	21.	Primeval description	262
(*/	Types	255	(i)	Sikta (Silica)	262
	Physical Characteristics	256	(1)	Shodhana and Marana	262
	Shodhana	256		Properties	262
	Marana	257		Therapeutic uses	263
	Pishtikarana	257	(ii)	Dugdhapashana (Talc, Soft Stone)	263
	Properties	257	(11)	Description	263
	Dose	257		Mineralogical identification	263
	Anupana	257		Shodhana	263
	Therapeutic uses	257		Marana	263
	Important formulations	257		Properties	263
(vi)	Varatika (Cowrie)	257		Dose	263
(vii)	Samudraphena (Cuttlle fish bone)	258			
(*11)	Origin, collection and distribution	258		Anupana	263
	Physical properties	258	/:::	Therapeutic uses	264 264
	Shodhana	258	(iii)	Nagapashana (Serpentine)	264
	Marana	258		Mineralogical identification	
	iviaiaila	200		Shodhana	264

	Marana Pishtikarana	264 264	(i)	Sarjakshara (Sodium bicarbonate)	
		264 264		Physical properties	269
	Properties Dose	264		Method of Preparation	269
		264		Properties	270
	Anupana	264		Dose	270
	Therapeutic uses			Anupana	270
	Important formulations	264		Therapeutic uses	270
(iv)	Badarashma (Silicate of lime)	265		Important formulations	270
	Description	265 265	(ii)	Yavakshara (Potash carbonate)	270
	Shodhana Marana	265		Physical properties	270
	Marana Pishtikarana			Method of Preparation	270
		265		Properties	271
	Properties	265		Dose	271
	Dose	265		Anupana	271
	Anupana	265		Therapeutic uses	271
	Therapeutic uses	265		Important formulations	271
	Important formulations	265	(iii)	Tankana (Borax)	271
(v)	Vyomashma (Sangeyashaba - Ja			Mineralogical identification	272
	Mineralogical identification	266		Types	272
	Types	266		Niramalikarana	272
	Shodhana	266		Shodhana	272
	Marana	266		Properties	272
	Pishtikarana	266		Dose	272
	Properties	266		Anupana	272
	Dose	266		Therapeutic uses	272
	Anupana	266		Ashuddha Tankana Sevanajanya Dosha	273
	Therapeutic uses	267		Dosha Shanti	273
	Important formulations	267		Important formulations	273
(vi)	Kausheyashma (Asbestos)	267	(iv)	Suryakshara (Potassium nitrate)	273
	Description	267		Types	273
	Mineralogical identification	267		Niramalikarana	273
	Shodhana	267		Shodhana	273
	Marana	267		Properties	273
	Dose	267		Dose	273
	Anupana	267		Anupana	273
	Therapeutic uses	267		Therapeutic uses	273
(vii)	Akika (Agate)	267		Important formulations	273
	Mineralogical identification	268	23.	Miscellaneous	274-284
	Shodhana	268	(i)	Mandoora (Iron oxide)	274
	Marana	268	1.7	Mineralogical identification	274
	Pishtikarana	268		Types	275
	Properties	268		Grahyata and Agrahyata	275
	Dose	268		Shodhana	275
	Anupana	268		Marana	275
	Therapeutic uses	268		Properties	275
	Important formulations	268		Dose	276
22.	Kshara Varga	269-273		Anupana	276
	Classification of Kshara Varga	269		,apu.14	270

	Therease timeses	276		Caralfinations in aviation	
	Therapeutic uses Important formulations	276		Specifications in existing European legislation	283
(22)	Bola (Myrrh)	276		Manufacturing process	283
(ii)				Composition	284
	Prehistoric description	276		Important formulations	284
	Botanical description	276			
	Types	276	24.	Visha and Upavisha	285-303
	Shodhana	276		Definition of Visha	285
	Properties	277		Synonyms of Visha	285
	Dose	277		Types of Visha	285
	Therapeutic uses	277		Adhishthana of Sthavara Visha	285
	Dosha Shanti	277		Types of Sthavara Visha	285
	Important formulations	277		Name of Visha	285
(iii)	Kasturi (Musk)	277		Name of Upavisha	286
	Types	278	(i)	Vatsanabha (Aconite)	286
	Characteristics	278		Botanical description	286
	Chemical constituents	278		Types	286
	Examinations	278		Grahyata (Collection)	286
	Properties	279		Shodhana	287
	Dose	279		Storage of Shuddha Vatsanabha	287
	Therapeutic uses	279		Marana	287
	Important formulations	279		Properties	287
(iv)	Bhoonaga (Earth worm)	279		Therapeutic uses	288
	Types	279		Yogya - Ayogya and Pathya - Apathya	288
	Grahyata	279		Dose	288
	Satvapatana	280		Antidotes	288
	Satva Marana	280		Ashuddha Vatsanabha Sevanajanya Do:	sha 288
	Properties	280		Dosha Shanti	288
	Therapeutic uses etc	280		Important formulations	288
(v)	Mayurpichchha	281	(ii)	Kupilu (Strychnos nuxvomica)	288
	Description	281		Botanical description	288
	Characteristics	281		Shodhana	289
	Marana	281		Properties	289
	Satvapatana and Marana	281		Therapeutic uses	289
	Dose	282		Dose	289
	Anupana	282		Antidotes	290
	Therapeutic uses	282		Dosha Shanti	290
(vi)	Sarjarasa (Resin of Sal tree)	282		Important formulations	290
	Botanical description	282	(iii)	Ahiphena (Opium)	290
	Types	282		Botanical description	290
	Properties	282		Types	290
	Dose	283		Nirmalikarana	290
	Therapeutic uses	283		Shodhana	291
	Important formulations	283		Properties	291
(vii)	Madhoochchhishta (Bees wax)	283		Therapeutic uses	291
, - >-,	Properties	283		Yogya - Ayogya and Pathya - Apathya	291
	Therapeutic uses	283		Dose Programma Patrick	291
	EU purity criteria of Beewax	283		Antidotes	291
	, ,				

	Dosha Shanti	291		Properties	298
	Important formulations	292		Therapeutic uses	298
(iv)	Jayapala (Croton seed)	292		Dose	298
	Botanical description	292		Antidote	298
	Shodhana	292		Dosha Shanti	299
	Properties	293		Important formulations	299
	Therapeutic uses	293	(ix)	Langali (Glory lily)	299
	Yogya - Ayogya and Pathya - Apathya	293		Botanical description	299
	Dose	293		Shodhana	299
	Antidotes	293		Properties	299
	Dosha Shanti	293		Therapeutic uses	299
	Important formulations	293		Langali Sevanajanya Vikara	299
(v)	Bhanga (Indian hemp)	293		Dosha Shanti	299
(*/	Botanical description	293		Important formulations	300
	Shodhana	294	(x)	Arkakshira	300
			(X)		200
	Properties	294 294		(Latex of Calotropis procera)	300
	Dose			Botanical description	300
	Therapeutic uses	294		Properties	300
	Dosha Shanti	294		Dose	300
	Important formulations	294		Therapeutic uses	300
(vi)	Bhallataka (Marking nut)	294		Dosha Shanti	300
	Botanical description	295		Important formulations	300
	Collection and Preservation	295	(xi)	Snuhikshira	
	Types	295		(Latex of Euphorbia nerifolia)	300
	Grahyata	295		Botanical description	301
	Shodhana	295		Shodhana	301
	Properties	295		Properties	301
	Therapeutic uses	296		Therapeutic uses	301
	Contraindication	296		Dosha Shanti	301
	Dose	296		Important formulations	301
	Ashuddha Bhallataka Sevanajanya Vikara	296	(xii)	Gunja (Indian liquorice)	301
	Antidotes	296	(AII)	Botanical description	301
	Dosha Shanti	296			
	Important formulations	296		Types	302
6.221		296		Importance of Shodhana	302
(vii)	Karavira (Indian oleander)			Shodhana	302
	Botanical description	296		Properties	302
	Types	297		Therapeutic uses	303
	Shodhana	297		Dose	303
	Properties	297		Dosha Shanti	303
	Therapeutic uses	297		Important formulations	303
	Dose	297	25.	Formulations	304-339
	Karavira Sevanajanya Vikara	297		Kharaliva Rasavana	304
	Dosha Shanti	297		Agnikumara Rasa	304
	Important formulations	297		Agnitundi Vati	304
(viii)	Dhattura (Throne apple)	297		Amayatari Rasa	305
,	Botanical description	297		Anandabhairaya Rasa	305
	Shodhana	298		Arangapharava nasa     Arogyayardhini Vati	305
	on our and	=00		o. Arogyavaronini vati	305

6.	Arshakuthara Rasa	306		54. Tribhuvanakirti Rasa	326
7.	Ashwakanchuki Rasa	306		55. Trilokya Chintamani Rasa	327
8.	Brihat Vangeshwara Rasa	307		56. Vasanta Malati Rasa	327
9.	Brihat Vatachintamani Rasa	307		57. Vangeshwara Rasa	328
10	. Chandrakala Rasa	308		58. Vasanata Kusumakara Rasa	328
11	. Chandramrita Rasa	309		59. Vata Gajankusha Rasa	329
12	. Chandraprabha Vati	309		60. Yogendra Rasa	329
13	. Chaturbhuja Rasa	310		Kupipakya Rasayana	330
14	. Chintamani Rasa	310		61. Makaradhwaja	330
15	. Ekangavira Rasa	311		62. Mallasindoora	330
16	. Gandhaka Rasayana	312		63. Manikya Rasa	331
17	. Garbhachintamani Rasa	312		64. Rasakarpura	331
18	. Garbhapala Rasa	313		65. Rasapushpa	331
19	. Grahani Kapata Rasa	313		66. Rasasindoora	332
20	. Gulmakuthara Rasa	313		67. Samirapannaga Rasa	333
21	. Higuleshwara Rasa	314		68. Siddha Makaradhwaja	333
22	. Hridyarnava Rasa	314		69. Svarna Vanga	333
23	. Jalodarari Rasa	314		Parpati Rasa	334
24	. Javahara Mohara	315		70. Bola Parpati	334
25	. Kamadugdha Rasa	315		71. Gagana Parpati	334
26	. Kapha Ketu Rasa	315		72. Loha Parpati	334
27	. Kasturi Bhairava Rasa	316		73. Panchamrita Parpati	335
28	. Kravyada Rasa	316		74. Rasa Parpati	335
29	. Krimi Mudgara Rasa	317		75. Shweta Parpati	335
30	. Krimi Kuthara Rasa	317		76. Svarna Parpati	335
31	. Kumara Kalyana Rasa	317		77. Tamra Parpati	336
32	. Laghu Sutashekhara Rasa	318		78. Vijaya Parpati	336
33	. Madhumalini Vasanta Rasa	318		Pottali Rasa	337
34	. Mahajvarankusha Rasa	318		79. Hemagarbha Pottali	337
35	. Mahalakshmivilasa Rasa	319		80. Hiranyagarbha Pottali	337
36	. Maha Vatavidhwanshana Rasa	319		81. Lokanatha Rasa	337
37	. Mrityunjaya Rasa	320		82. Mallagarbha Pottali	338
38	. Navajivana Rasa	320		83. Mriganka Pottali	338
39	. Prabhakara Vati	321		84. Rasagarbha Pottali	339
40	. Pradarantaka Rasa	321		85. Shankhagarbha Pottali	339
41	. Pratapa Lankeshwara Rasa	321	26.	Pharmacovigilance and	
42	. Pravala Panchamrita Rasa	322		its status in India	340-342
	. Purna Chandra Rasa	322		Etymology	340
44	. Raktapittakulakandana Rasa	323		Definition	340
	. Ramabana Rasa	323		Aim and Objectives	340
46	. Shankha Vati	323		Chronological Development	340
	. Shonitargala Rasa	324		Current Status (ASU & H)	341
	. Shwasakuthara Rasa	324		Bibliography	343-345
	. Shwasakasa Chintamani Vati	324			
	. Smruti Sagara Rasa	325		Alphabet Index	346-358
	. Suchika Bharana Rasa	325		Color Photographs	359-366
	. Sutashekhara Rasa	326		Ashta Samskara of Parada	359
53	. Trinetra Rasa	326		Rasa Dravya	361